

ABSTRACT

The present invention is intended to provide a safe and quick means for screening a drug to a bioactive protein, in particular, an inhibitor, using a cell-free protein synthesis system with the use of a wheat embryo extract solution. The present inventors have strenuously studied to solve the matters above and finally completed the present invention by, in a system with the use of a wheat embryo, among cell-free protein synthesis means, constructing a synthesis system of a bioactive protein while sustaining its activities, and constructing a system for screening an inhibitor candidate to SARS 3CL^{Pro}, as an example using the synthesis system.